

**Notice of Allowability**

Application No.

10/796,050

Examiner

Tho v. Duong

Applicant(s)

MATSUSHITA ET AL.

Art Unit

3753

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/4/06.
2. ☒ The allowed claim(s) is/are 1-5.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

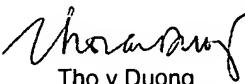
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 3/04; 3/05; 1/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

  
Tho v Duong  
Primary Examiner  
Art Unit: 3753

## **DETAILED ACTION**

### ***Election/Restrictions***

Applicant's election with traverse of group I in the reply filed on 5/4/06 is acknowledged. However, applicant has not stated any reason or ground of the traversal for the examiner to response. Therefore, the election will be treated as without traverse. The requirement is still deemed proper and is therefore made FINAL.

This application is in condition for allowance except for the presence of claims 6-8 directed to a non-elected group II without traverse.

Accordingly, claims 6-8 have been cancelled.

### ***Allowable Subject Matter***

Claims 1-5 are allowed.

The following is an examiner's statement of reasons for allowance: the prior art of record either taken singularly or in combination fails to disclose the cooling jacket thermally connected to the CPU; the pump, the reserve tank, the first and second radiators are arranged in a circulating path for the cooling liquid; the pump and the reserve tank are installed above the cooling jacket, and the first radiator is installed above the pump and the reserve tank, and the second radiator is located at a side of the cooling jacket, pump, reserve tank and the first radiator.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

*Conclusion*

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Bingler (US 6,668,911) discloses a pump system for use in a heat exchange application.

Koizumi (US 5,203,399) discloses a heat transfer apparatus.

Oikawa et al. (US 6,778,394) discloses an electronic device having a heat dissipation member.

Tsai et al. (US 6,600,649) discloses a heat dissipating device.

Shih (US 6,763,880) discloses a liquid cooled radiation module.

Jenkins et al. (US 6,926,070) discloses a system for providing cooling systems with heat exchangers.

Chen et al. (US 6,263,957) discloses an integrated active cooling device.

Ohashi et al. (US 5,764,483) discloses a cooling unit for electronic equipment.

Koizumi et al. (US 5,323,847) discloses an electronic apparatus and cooling system.

Kobayashi et al. (US 6,840,304) discloses an evaporator, a heat absorber and a thermal transport system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tho v. Duong whose telephone number is 571-272-4793. The examiner can normally be reached on M-F (first Friday off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Keasel Eric can be reached on 571-272-4929. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Tho v Duong  
Primary Examiner  
Art Unit 3753



TD  
May 11, 2006